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OM nucleic - nucleic search, using sw model

Run on: December 6, 2002, 21:31:46 ; Search time 51.5 Seconds
(without alignments)
11546.552 Million cell updates/sec

Title: US-10-025-514-15
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 354425 seqs, 194966369 residues

Total number of hits satisfying chosen parameters: 700850

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	437	28.7	1345	10 US-09-782-378A-13	Sequence 13, Appl
2	429	28.1	1352	10 US-09-964-824A-545	Sequence 545, App
3	429	28.1	1371	10 US-09-964-824A-544	Sequence 544, App
4	407	26.6	1390	10 US-09-765-231A-19	Sequence 19, Appl
5	222.8	14.6	594	10 US-09-964-824A-582	Sequence 1989, Ap
6	222.8	14.6	594	10 US-09-954-456-1989	Sequence 1, Appl
7	222.8	14.6	594	10 US-09-865-812-1	Sequence 2090, Ap
8	219.8	14.4	1422	10 US-09-880-107-2090	Sequence 1421, Ap
9	213.4	14.0	1714	10 US-09-917-800A-1421	Sequence 2257, Ap
10	193	12.7	1872	10 US-09-880-107-257	Sequence 13, Appl
11	190.8	12.5	1245	10 US-09-755-665-13	Sequence 1325, Ap
12	182.6	12.0	2051	10 US-09-917-800A-1325	Sequence 12287, A
13	161	10.6	391	10 US-09-960-352-12287	Sequence 10531, A
14	146.4	9.6	430	10 US-09-960-352-10531	Sequence 14649, A
15	135.8	8.9	444	10 US-09-960-352-14649	Sequence 7066, Ap
16	135.6	8.9	418	10 US-09-960-352-7066	Sequence 2, Appl
17	134.2	8.8	1710	9 US-09-912-628-2	Sequence 3, Appl
18	126.2	8.3	1632	9 US-09-912-628-3	Sequence 5191, Ap
19	125.4	8.2	430	10 US-09-960-352-5191	

ALIGNMENTS

RESULT 1
US-09-782-378A-13
; Sequence 13, Application US/09782378A
; Patent No. US201002731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wade
; APPLICANT: Sandalow, Ziv
; APPLICANT: Gantenco, Dmitri
; TITLE OF INVENTION: Adenoviral vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13
; LENGTH: 1345
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-782-378A-13

Query Match 28.7%; Score 437; DB 10; Length 1345;
Best Local Similarity 60.6%; Pred. No. 6e-10¹³; Mismatches 0; Indels 0; Gaps 0;
Matches 716; Conservative 465;

Qy 12 GAGACCTCTAGGCCAGCGCTCAAAACCGACCCGTCATACGACCAAGACCAT 71
Db 84 GAGGATCCCGGGAGATGGCTGCCRGAAAGACAGATACTCCACATGTCAGATCAC 143
Qy 72 CGGACTTTAAATAATTACTCCAATTAGCGAAATTAGCTTCTTTGTATAGACAA 131
Db 144 CCAACCTTCACAAGATCACCCCACCTGGCTGAGTTGCCCTACGCCAG 203
Qy 132 TTAGCTCATCATAAGTAATTCTPACTAACATTTTAGCTCTTCTATTGCCACTGCT 191
Db 204 CTGGCACACCAACTCCACAGACCCATTATCCTCTCCCGATGCACTGCAAGCC 263
Qy 192 TTAGCGCATGTTAGTTAGGACTAAAGCCATACCCATGAGGATTAGAAGTTTA 251
Db 264 TTGCGCATGCTCCCTGGGACCAAGGCTGACACTACGATGAATACTCTGGGGCTG 323

RESULT 2
US-09-064-824A-545
; Sequence 545, Application US/09964824A
; Patent No. US201002531A1
; GENERAL INFORMATION:
; APPLICANT: Horrigan, Stephen
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu

; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-73
; CURRENT FILING DATE: 2001-09-27
; PRIORITY APPLICATION NUMBER: US/60/236, 033
; PRIORITY FILING DATE: 2000-09-28
; PRIORITY APPLICATION NUMBER: US/60/236, 032
; PRIORITY FILING DATE: 2000-09-28
; PRIORITY APPLICATION NUMBER: US/60/236, 028
; PRIORITY FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 583
; SEQ ID NO: 545
; LENGTH: 1352
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: misc_feature
; NAME/KEY: n-a,t,g or c
; LOCATION: (1)..(1352)
; OTHER INFORMATION: n-a,t,g or c
; US-09-064-824A-545

Query	Subject	Start	End	Score	DB	Length
Qy	252 AACTTAATTGACCGAAATCCAGAAAGCCAAATTACAGGGTTTCAAAGAGTGTG 311			28.1%	429;	DB 10;
Db	324 ATTCAACCTCAGGAGTTCGGAGCTCAATCCATGAGGCTCAGGAGCTCCTC 383			60.2%	39;	Pred. No. 6..3e-39;
Qy	312 AGAACTTGAAATCAACCTGATTCATCAATTGCAATTAACTACTCGTAACGGTTTATTGTTG 371			0;	Mismatches	Indels 0;
Db	384 CGTACCCCTAACCCACCCAGACGCCAGCTCACGTCAGCTGCAATGGCTGTCTC 443			0;	Matches	Gaps 0;
Qy	372 TCTGAGGGTTAAATTGGTTGACAATTCCTTAAAGAGCTTCAAGAACTTAACTATCATAGT 431					
Db	444 AGCGGGGCTGAACCTAGTGTAAAGTGTAAAGTGTAAAGTGTAAAGTGTAAAGTCA 503					
Qy	432 GAGGCTTTACGTTAATTGGTGTAACTGAGGAAGCTAAAGCAATTAAATGATTAT 491					
Db	504 GAAGCTTCACTGCACTCGGGATCACGAGAACATCACGAGTAC 563					
Qy	492 GTTGAGAAAGCACCCAGGTAAATGTTGACCTACTTAAAGAAATTAGATGTGATACC 551					
Db	564 GTGGAGAAGGTACTCAAGGGAAATTGTGATTTGGATTTGGATTAAGCAGAGACAA 623					
Qy	552 GTCCTGCACTAGTTAACTATTTTCAAGGTAATGGGAACGTCCTCGAGETT 611					
Db	624 GTTTTGCTCTGGTCAATTACATCTCTTAAAGCAAATGGGAAAGACCTTGTGAGTC 683					
Qy	612 AAAGATACTGAAAGGAAATTTCATGTTGATACTACTGTCAAAGTCCAAATG 671					
Db	684 AGGACACCCAGGAGGAGGAGCTTACCCGGAGGAGTACACCGTGAAGGGCCCTATG 743					
Qy	672 ATGAAAGACTGGTGTAAATTCACATTGCAAAATAAATTAAGTCTGGTCTTA 731					
Db	744 ATGAAAGCTTAAAGCTTAAACATCCAGGATTTAACATCTCTTAAAGCAAATGGGAAACTG 803					
Qy	732 TTAAATGAAATTTGTTACCAAGGAACTGTTACATGAACTTAACTGAACTTAAGGTAAAGTT 791					
Db	804 CTAATGAAATTCCTGGCATCTGGCATCTGGCATCTGGCATCTGGCATCTGGAACTA 863					
Qy	792 CAACATTGAAATGAGTTGACTCATGAACTTAACTAAATTAGAACTTAAAGGAGGAT 851					
Db	864 CAGCACCTGGAAATGACTACCATGAACTTAAAGGAGGAAATGAGTGAAG 923					
Qy	852 CGTCGTAGCGCTTCCTGCACCTGCAATGGGGTCACTGCTCCTACTCTGATGAGGGAACTA 911					
Db	924 AGAAGGTCTGCCAGCTTACATGTTACCCAAACTGTCATTACTGAACTTATGATCTGAG 983					
Qy	912 TCTGTTTGGCCAGTTGAGTATTCAAGGTTTCACGGGCTCCATGTTGAGTGT 971					
Db	984 AGCGCTCTGGTCACRTGGGATCTACAGTCCTCAGGAAATGGGGTCACTCCTCCGG 1043					
Qy	972 GTTACTGAAAGGCTCATTAAAATTGAGTAAGCTGTTCAAAAGCGCTCTRACTATT 1031					
Db	1044 GTCACAGGGGACCCCCTCAAGCTCTCAAGGAGGTTCTGAGTGTGACCCATC 1103					
Qy	1032 GATGAAAGGGTACCCAGGGCCGGCTATGTTCTGAAAGTATTCCATGAGCATT 1091					
Db	1104 GACGAGAAGGGGACTGCAAGTCACTGAAACCCCTTGTCTCTTAAAGGCCATACCAATCTCAIC 1163					
Qy	1092 CCACCAAGGTTAAATTAAACCAATTGTTCTGAGTGTGATARGCTGTGACCTAA 1151					
Db	1164 CCCCGAGGCAAGTCACTGAAACCCCTTGTCTCTTAAAGGCAAAATACCAAG 1223					
Qy	1152 AGCCCATGTTATGGTTAGGTTGTCACCCAACCTCAGA 1192					
Db	1224 TCTCCCCCTCTCATGGGAAAGTGTGAATCCACCCAAA 1264					

SULT³
-09-964-824A-544
Sequence 544. Application US/09964824A
Patent No. US2002102511A1
GENERAL INFORMATION:
APPLICANT: Horligan, Stephen
TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signat...
NAME OF INVENTOR: See
SULT³

Db	171	CCAACTTCACCAAGATCACCCCCAACCTGGCTGAGTTCGCCCTACCGCGAC	230
Qy	132	TTAGCTCATCAAAGTAATTCTACTAACATTTTTGTCTTCTTCTTCTTCTGCTGC	191
Db	231	CTGCACACCAGTCACAGCAACCAATTATCCTCTCTCCCTAGGACATCCTACGCC	290
Qy	192	TTCCCACTGTTGAGTTAGGTTAGCTAAACCGTACCCATGAGGAGTTAGGGTTA	251
Db	291	TTTCCAATGGCTCCTGGGACCAAGCTGACATCACGATGAAATCCTGGAGGCTG	350
Qy	252	AACCTTAATTGACCGAAATCCCAGAACCCAAAATCACGAGGGTTTCAGAGTTG	311
Db	351	ATTCAACCTCAGGAAATTGGCTCAGATCCATGAGCTCCGAAACTCCTC	410
Qy	312	AGACCTTGAATCAACCTGATTCTCAATTGCAATTAACTACTGGTAACGGTTTATT	371
Db	411	CGTACCCPACAACCGACACCGCTCCAGCTGACCCGGAAATGGCTTCCTC	470
Qy	372	TCTGAGGTTAAATTGGTGCACAAATCCTGAGAACGCTAAAGAAACTATATCTAGT	431
Db	471	AGCGAGGGCTGCTGAAGCTAGGGATAAGGTTGGAGGTAAAGGGTGTACACTCA	530
Qy	432	GAGCTTTACCGTTAATTGGTGTACTGAGGAAGCTAAAGCAAAATTAGTAAAT	491
Db	531	GAAGCTTCACGTCACTTCGGACACCCGAAAGGGCAAGAACGATCACGTTAC	590
Qy	492	GTGAGAAAGGCCACCCAGGTTAAGATGCTGTGACCTAGCTTAAAGAATTAGTGTGATACC	551
Db	591	GTGGAGAAGGTACTCAAGGAATAATGGATTGGTGTACAGAGACAGACA	650
Qy	552	GTCTTCGACTACTTAACCTATATTTCAGGTAAAGTGGGACCTCTCTCAGGTT	611
Db	651	GTTTTGGCTCTGGTGAATACATCTCTCTTAAAGGCAAAUTGGAGAACCTTGAAGTC	710
Qy	612	AAAGATACTGAAAGGAAGAATTTCACTGGTCAAGTTACTGTCAAAGTTCAATG	671
Db	711	AGGACACCGAGGAAAGACTCACCTGGGACCGTGGACCCCTGACAGGCTATG	770
Qy	672	ATGAAAAGACTGGGTATGTTCAATATTCAACATTGCAAAATAATTGATCTCTGGCTTAA	731
Db	771	ATGAGGCTTTAGGCATATTACATCZAGACTGTAAAAGCTGTTCAAGGTGCTATG	830
Qy	732	TTATGAGTATTAGGTAACCTACTGCTATTTTTACCAAGCAGGAACTGAGCT	791
Db	831	CTGATGAAATACTGGGAAATGCAACGGCCATCTCTCCGTGTAGGGGAAACTA	890
Qy	792	CAACATTAGAGATGAGTTGACTCATGACATTACTAAATTAGAGAACGAGGT	851
Db	891	CAGGACCTGAAATGAACTCACCCATTATCATCZAACTTGAAAGCTGAAATGAGAC	950
Qy	852	CGTGTAGGCTTCCTGCACTGCCAACAGTTAAGTATCACGGTACTTACGACTTAAA	911
Db	951	AGAAGGTCTGCCACGTACATTACCCAAAACGTCCATTACTGAACTTATGTCAG	101
Qy	912	TCTGTTAGGCAAGTTAGGTTACCAAGTTAAGTCTTCAAGGTGGGATTTGAGCTG	971
Db	1011	AGCGTCTGGGCAACTGGCATTACTAAGGCTCTAGCAATTGGGTGACCTCTCGGG	1071
Qy	972	GTACTGAAAGACTCCATTAAATTGAGTAAGCTTCAAAAGCTCTTAACATT	103
Db	1071	CTZACAGAGGAGCACCCCTGAGCTCCTGCCAGGCTGCAATTGGGTGACCT	1113
Qy	1032	GATGAAAGGGTACCGAGGGCGCCCTAAGTCTCTGGAAAGCTTACATGAGCATT	109
Db	1113	GACGAGAAAGGGCTGAAAGCTGGGCCATGTTAGGGCATACCCCTGTATC	1251
Qy	1092	CCACAGAGTTAAATTAAACCACTTCGTTCTGATGATCGAGCAACACTAA	115
Db	1191	CCCCGAGGTCAACAAACCCCTTGCTCTTAATGATGACAAATACTCAAG	1192
Qy	1152	AGCCATGTTATGGTAAGGTGTAACCCAACTCAGAA	1192
Db	1251	TCTCCCCCTCTCACTGGGAAAAACTGTCATGGCTGACCTTCTGATGACCT	1291

RESULT 4
US-09-765-231A-19
Sequence 19, Application US/09765231A
; Patent No. US20020119452A1
; GENERAL INFORMATION:
; APPLICANT: Searle/Monsanto
; APPLICANT: Philippard, Deborah
; APPLICANT: Vasantakamur, Geetha
; APPLICANT: Dotson, Stanton
; APPLICANT: Ma, Xiao-Jun
; TITLE OF INVENTION: osteoarthritis tissue-derived nucleic acids, polypeptides, vectors, and cells
; TITLE OF INVENTION: vectors, and cells
; FILE REFERENCE: SO-3221 PR
CURRENT APPLICATION NUMBER: US/09/765, 231A
CURRENT FILING DATE: 2001-01-18
NUMBER OF SEQ ID NOS: 82
SEQ ID NO 19
LENGTH: 1390
TYPE: DNA
ORGANISM: Homo sapiens
US-09-765-231A-19

Query Match 26.7%; Score 407; DB 10; Length 1390;
Best Local Similarity 60.1%; Pred. No. 2.3e-93; Indels 2; Gaps 2;
Matches 711; Conservative 0; Mismatches 470;

Qy 12 GAGACCCCTAAGGGACCCGTCCTAAACCGACCAAGGATCACGCCAGAACCAT 71
Db 107 GAGGATCCCCAGGGAGATGCTGCCAGAACAGATACTCCACCATGATAGGATCAC 166
Qy 72 CGACTTTTAATAAAATTACTCCAATTTAGCGGAATTGTCTTCTTGATAGCAA 131
Db 167 CCAACTCTTCAACGATCACCCCAACCTGGCTGAGTTCGCCTAACCGCAG 226

Qy 132 TTAGCTCATCAAGTAATTCTACTAATTTAGCTTCTTACTGCCACAGCT 191
Db 227 CTGGACACCGTCAACACGACCAATACTCTCCTCCCACAGTGGTACAGCC 286

Qy 192 TTGCGCATG-TTGAGTTAGGTACTAAACCGATAACCCATTAGCGAGATTAGAAGGTT 250
Db 287 TTGGAATGCTCCTGGGGACCAAGCTGACACTACGTAAGAAATCCGGGCGCT 346

Qy 251 AACATTAAATTGACCGAATCCAGAACCCCAATTGACGGGGTTTCAAGAGTGT 310
Db 347 GAATTCAACCTCAGGAGATCGGGAGCTCGATGAGGCTCCAGCAACCTCT 406

Qy 311 GAGAATTTGATCAACCTGATCAATTGCAATTAACTCTGTAACGGTTATTTT 370
Db 407 CCCTACCCCTAACCCGGCAAGCCAGCTCACGCTGACCCGGCAATGGCTGTCCT 466

Qy 371 GTCTGAAGGTTAAATTTGCTGACAATTCTCTAGAAGACGCTGAGAACATATCATAG 430
Db 467 CAGCGAGGGCTGAAGCTAGGGATAAGTTTGGATGTAAAGTGTACCACTC 526

Qy 431 TGAGGCTTTACCGTTAATTTGGTGTACCTGAGGAACCTAAAGAACATTAAATGATTA 490
Db 527 AGAACGCTTCACGTCACCTGGGACCCGGACAGGAGCTAACGAGACAC 586

Qy 491 TGTGAGAANGGACCCAGGTAGATCCTGACCTGTTAGAAGAATAGATGTGATAC 550
Db 587 CGTGGAGAANGGTTACGTCACCTGGGACCCGGACAGGAGCTAACGAGACAC 646

Qy 551 CGTCCTTGCACATAGTTAACTATTTTCAGGTAAAGTGGAACTCCCTTCAGAGT 610
Db 647 AGTTTTGCTCTGGTAATCACCTCTTAAAGGCAATGGAGAACCTTTGAGT 706

Qy 611 TAAAGATACCTGAGGGAAAGTATTCATGTTGATCAASSTTACTGTCAAAGTCCAAT 670
Db 707 CAAGGACCCGGAGGGACTCCACCTGGACCACTGGGAAAGTGCCTAT 766

Qy 671 GATGAAAAGACTGGGTATGTTCAATTCACATGCAAAAATTAAGTTCTGGGFCCT 730

RESULT 5
US-09-564-824A-582
; Sequence 582, Application US/09964824A
; Patent No. US200102531A1
; GENERAL INFORMATION:
; APPLICANT: Holtigan, Stephen
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Sign
; FILE REFERENCE: 689290-73
; CURRENT APPLICATION NUMBER: US/09/964, 824A
; CURRENT FILING DATE: 2001-09-27
; PRIORITY APPLICATION NUMBER: US/60/236, 033
; PRIOR FILING DATE: 2000-09-28
; PRIORITY APPLICATION NUMBER: US/60/236, 032
; PRIOR FILING DATE: 2000-09-28
; PRIORITY APPLICATION NUMBER: US/60/236, 028
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 583
; SOFTWARE: Patentin version 3.0
; SEQ ID NO: 582
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-964-824A-582

Query Match 14.6%; Score 222.8; DB 10; Length 594;
Best Local Similarity 80.7%; Pred. No. 5.1e-17;
Matches 260; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

Qy 1197 TCCGGAAAGTCCTTCAGGGGGTTGTCACCCAAAGGAAGTCTCGCTCAATGTTGAGA 1256
Db 94 TCGGAAAGTCCTTCAGGGAGGAGCTGTCCTCTCAAGGAGGAGCTGTCCTTAAGAATCTGCCCAGTGCCTTAAG 153

Qy 1257 TACAAGAGCCAGAAATGCTCAATCCGACTGGCAATGTCACAAGAGATGTTGTCCA 1316
Db 154 TACAAGAAACCTGAGTGCAGTCAGGTACTGGCAAGGAGATGTTGTCCT 213

RESULT 6
 US-09-054-456-1989
 ; Sequence 1989, Application US/09954456
 ; Patent No. US20020115057A1
 ; GENERAL INFORMATION;
 ; APPLICANT: Young, Paul
 ; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cancer Cell Lines
 ; TITLE OF INVENTION: Sets
 ; FILE REFERENCE: 683290-76
 ; CURRENT APPLICATION NUMBER: US/09/954 456
 ; CURRENT FILING DATE: 2001-09-18
 ; PRIOR APPLICATION NUMBER: US/60/233,617
 ; PRIOR FILING DATE: 2000-09-18
 ; PRIOR APPLICATION NUMBER: US/60/234,052
 ; PRIOR FILING DATE: 2000-09-20
 ; PRIOR APPLICATION NUMBER: US/60/234,923
 ; PRIOR FILING DATE: 2000-09-25
 ; PRIOR APPLICATION NUMBER: US/60/235,134
 ; PRIOR FILING DATE: 2000-09-25
 ; PRIOR APPLICATION NUMBER: US/60/235,637
 ; PRIOR APPLICATION NUMBER: US/60/235,638
 ; PRIOR FILING DATE: 2000-09-26
 ; PRIOR APPLICATION NUMBER: US/60/235,711
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: US/60/235,720
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: US/60/235,840
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: US/60/235,863
 ; PRIOR FILING DATE: 2000-09-27
 ; NUMBER OF SEQ ID NOS: 2276
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO: 1989
 ; LENGTH: 594
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-054-456-1989

Query Match Score: 14.68; DB 10; Length: 594;
 Best Local Similarity: 80.7%; Pred. No. 5.1e-4;
 Matches: 260; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;

RESULT 7
 US-09-865-812-1
 ; Sequence 1. Application US/09865812
 ; Patent No. US20030115626A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rastelli, Luca
 ; TITLE OF INVENTION: Method of Detecting inflammatory Lung Disorders
 ; FILE REFERENCE: 21402-018 US
 ; CURRENT APPLICATION NUMBER: US/09/865,812
 ; CURRENT FILING DATE: 2001-05-28
 ; PRIOR APPLICATION NUMBER: 60/207,104
 ; PRIOR FILING DATE: 2000-05-25
 ; NUMBER OF SEQ ID NOS: 5
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO: 1
 ; LENGTH: 594
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-865-812-1

Query Match Score: 14.56; DB 10; Length: 594;
 Best Local Similarity: 80.7%; Pred. No. 5.1e-47;
 Matches: 260; Conservative: 0; Mismatches: 62; Indels: 0; Gaps: 0;

RESULT 8
 US-09-880-107-290
 ; Sequence 8. Application US/09880107
 ; Patent No. US20030142381A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Horne, Darcie T.
 ; APPLICANT: Vockley, Joseph G.
 ; APPLICANT: Scherf, Uwe
 ; APPLICANT: Gene Logic, Inc.
 ; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
 ; FILE REFERENCE: 44921-5028-WO

; CURRENT APPLICATION NUMBER: US/09/880,107
 ; CURRENT FILING DATE: 2001-06-14
 ; PRIOR APPLICATION NUMBER: US 60/211,379
 ; PRIORITY FILING DATE: 2000-06-14
 ; PRIOR APPLICATION NUMBER: US 60/237,054
 ; NUMBER OF SEQ ID NOS: 3950
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 2090
 ; LENGTH: 1422
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: Genbank Accession No. US20020142981A1 J02943
 ; US-09-880-107-2090

Query Match 14.4%; Score 219; DB 10; Length 1422;
 Best Local Similarity 50.0%; Pred. No. 4.2e-46;
 Matches 548; Conservative 0; Mismatches 547; Indels 0; Gaps 0;

Qy 105 GATTTGCTTTCCTCGCTAGCTGATAAGGACCAATTAGCTCATCAAAGTAATTCTACTAACATTCT 164
 Db 168 GACTTGCCCTAGCTGATAAGGACCAATTAGCTCATCAAAGTAATTCTACTAACATTCT 227

Qy 165 TTAGAGCCTGTTTCTATGGCACTTATGGCACTTGGCCATTGGCTTGTGAGCTAAAGCCGAT 224
 Db 228 ATTCCTCCCTGAGGATCTCCATGGCCTTAGCTATGGCCTTAGCTATGGCACTTGTGGCAC 287

Qy 225 ACCCATGACGAGATTAGAAGGTTAAACTTTAATTGACCGAAATCCAGGAAGGCCAA 284
 Db 288 ACACGGGCCAGCTTCAGCTGAGGCTGACTGAG 347

Qy 285 ATTACAGAGGTTTCAAGAGTTGTGAGACCTTGAACCTGTATCTCATATGCA 344
 Db 348 ATCCACCGGTTTCCAGACCTTGCACCAACTCTTGCAGACAGCTTGTAGAA 407

Qy 345 TTAACACTGAAACCTATATCATAGTGGCTTAAATTTGGTGTGAAATTCCTA 404
 Db 408 ATGACTATGGCAATGCCCTGTTCTGTGCAAGCTGGTGTGAGCTATTC 467

Qy 405 GAAGAGCTCAGAAAATTATCATAGTGGCTTAAATTTGGTGTGAACTGAG 464
 Db 468 CGACATCGAGCAACTACTAGTCAAGGTGGCTGGPATGAAATTCCAGACTGGCA 527

Qy 465 GAAGCTAAAAGCAAAATTATGATTATGTTGAGACCTTGAACCTGTAACTGAC 524
 Db 528 ACAGCCAGCACAGCATCAACAGCTATGCAAGATAAGCACAGGGAAATTGTCAC 587

Qy 525 CTAGTTAAAGGATTAGATCTGATACCCGTTCTCGCACTAGTAACTATTTTTCAG 584
 Db 588 TTGTGTTTCAGGGCTGGATACCCGCAATCTCGTCAGCTCAACTATCTCAAA 647

Qy 585 GCTAAAGTGGAAACGTTCTGGAGTTAAAGATACTGAAGGGAGATTTCTGTGAT 644
 Db 648 GGCACTGGCAACAGCCTTGAAGGAAAGCAGGGAAACTCTATGTGAC 707

Qy 645 CAACTTACTACTGTCAAAGTCCAAATGAAAGACTGGTATGTCATAATTCACAT 704
 Db 708 GAGACAACCTGGTGAAGGCCCCATGATGTTGAGCACCATTACCTTCAT 767

Qy 705 TGCAAAAAATTAAAGTCTGGCTTATAAGTGAAGTATTAGCTGAACTGCPATT 764
 Db 768 GACTCAGAGCTCCCCGGCTGGCAGTGAACCTGGCAATGGACTGTGCTTC 827

Qy 765 TTTCCTTACAGAGCAAGGTTCAACATTAGAAATGAGTGTGACTCATGACATT 824
 Db 828 TTCACTCTTCGGAAAGGGAAAGTGAACAGACTGCGCTTCATGCTGACTAGCGGACAG 887

Qy 825 ATTACTAAATTAGAGAACGAGGATCTGCGCTTCATGCTGACTAGCGCCTAAAGTTA 884
 Db 888 ATTAAACAGGTTGGCTGGCAAGCCCTGATCCAAAGGTC 947

Qy 885 AGTATCACCGGACTTACGACTTACGACTTACGACTTACGACTTACGACTTAC 944

RESULT 9
 US-09-917-800A-1421
 ; Sequence 1421, Application US/09917800A
 ; Patent No. US20020119462A1
 ; GENERAL INFORMATION:
 ; APPLECTANT: Gene Logic, Inc.
 ; TITLE OF INVENTION: Molecular Toxicology Modelling
 ; FILE REFERENCE: 44921-5038-US
 ; CURRENT APPLICATION NUMBER: US/09/917,800A
 ; CURRENT FILING DATE: 2001-07-31
 ; PRIORITY APPLICATION NUMBER: US 60/222,040
 ; PRIORITY FILING DATE: 2000-07-31
 ; PRIORITY APPLICATION NUMBER: US 60/222,880
 ; PRIORITY FILING DATE: 2000-11-02
 ; PRIORITY APPLICATION NUMBER: US 60/290,029
 ; PRIORITY FILING DATE: 2001-05-11
 ; PRIORITY APPLICATION NUMBER: US 60/290,645
 ; PRIORITY FILING DATE: 2001-05-15
 ; PRIORITY APPLICATION NUMBER: US 60/292,336
 ; PRIORITY FILING DATE: 2001-05-22
 ; PRIORITY APPLICATION NUMBER: US 60/295,798
 ; PRIORITY FILING DATE: 2001-06-06
 ; PRIORITY APPLICATION NUMBER: US 60/297,457
 ; PRIORITY FILING DATE: 2001-06-13
 ; PRIORITY APPLICATION NUMBER: US 60/298,884
 ; PRIORITY FILING DATE: 2001-06-19
 ; PRIORITY APPLICATION NUMBER: US 60/303,459
 ; PRIORITY FILING DATE: 2001-07-09
 ; NUMBER OF SEQ ID NOS: 1740
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 1421
 ; LENGTH: 1714
 ; TYPE: DNA
 ; ORGANISM: Rattus norvegicus
 ; FEATURE:
 ; OTHER INFORMATION: Genbank Accession No. US20020119462A1 M63991
 US-09-917-800A-1421

Query Match 14.0%; Score 213.4; DB 10; Length 1714;
 Best Local Similarity 50.4%; Pred. No. 1.9e-44;
 Matches 585; Conservative 0; Mismatches 561; Indels 15; Gaps 2;

Qy 48 ACCAGCTCATCAGCAAGAACCATCCGACTTTAAATAAAATTACTCCAAATTAGCTGCTTC 107

RESULT 10	
Qy	Sequence 2257, Application US/09888
	Patent No. US20020142981A1
	GENERAL INFORMATION:
/	APPLICANT: Hone, Darci T.
/	APPLICANT: Vockley, Joseph G.
/	APPLICANT: Scherf, Uwe
/	COMPANY: Gene Logic, Inc.
/	TITLE OF INVENTION: Gene Expression
/	FILE REFERENCE: 449-1-508-WO
/	CURRENT APPLICATION NUMBER: US/09
/	CURRENT FILING DATE: 2001-06-14
/	PRIOR APPLICATION NUMBER: US 60/2
/	PRIOR FILING DATE: 2000-06-14
/	PRIOR APPLICATION NUMBER: US 60/2
/	PRIOR FILING DATE: 2000-10-02
/	NUMBER OF SEQ ID NOS: 3950
/	SOFTWARE: PatentIn Ver. 2.1
/	SEQ ID NO: 2257
/	LENGTH: 1872
/	TYPE: DNA
/	ORGANISM: Homo sapiens
/	FEATURE:
/	OTHER INFORMATION: Genbank Access
US-09-880-107-2257	
Qy	Query Match 12.7%: Score 49.2%; Priority 0;
	Best Local Similarity 49.2%; Prior Matches 576; Conservative 0;
Db	CCAGTCATCAGGACCAAGACCATCGG 416 CCTGCCATTCTCCAAACAAAAGGCC
Qy	109 TTGCCTTTCTCTGTATAGACAATTAA
Db	476 TTGCATTAATCTGATTCGGAGGTTTC
Qy	169 GTCCTGTTCTATTGCACTGCTGTTCTC
Db	536 CCCCTGAGGCAATTCTGAGCTTGTGG
Qy	229 ATGACGAGATTTAGAAGCTTAAAC
Db	596 AACTGAGATTGGAGACCTTGCGGG
Qy	289 ACGAGGGTTTCAGAGTGTGTTGAGA
Db	656 ACCATGGCTTCCAGCATCTGATCTGTT
Qy	349 CTACTGGTAACGCTTATTGTTGCT
Db	716 AGATAGGAATGCCCTCTCATGGC
Qy	529 TAAAGGATTAGATCGTGATACCGTC
Db	896 TCAAGACCTCAAGCCAAAACCACT

589	AGTGGGAAACCTCTTCGAGGTAAAGATACTGAGA--	-CGAACGATTTCATGTTGATC	645
590			
595	AGTGGCAAATCTTGTATCCATGAGAACAGTCC	TAAAGACA	1015
646	AAGTACTACGTCAAAGTCCAAATGTAAGATGGTATGTTCAATTCACATT	705	
647			
1016	AGACACCACCTTCAAGTGCACCAGTGGAAACATACATGCACTGG	ACCATGTTG	107
706	CGAAAATAATTAGTCCTGGPCTATTAAAGAATGATTAGTGTAGCTACTGTTATT	765	
707			
1076	ATATGGAAATTGAACTGACAGTCACGTTCTGCAAAATGGCACAPACAGCAAGAATGCTGCACTCTGGCACTCT	1130	
766	TTTTTTTACCAAGCAGGTTAAGCTTCAACATTAGAAATGAGCTTGACTCATGAGATTA	825	
767			
1136	TTGTTCTCCAAAGGAGGACAGTGGAGTCAGTGCAGTCATCTAAACAC	119	
826	TTACTAAATTITAGAGAACGAGGATGTCGCTAGCGTTCTGCACCTGCCAAAGTTAA	885	
827			
1196	TGAGGAAGTGGAACCGCTTACTACAGAAGGGATGGTTGACTGTTGTTCCAAGTTT	125	
886	GTTATCACCGGTACTAGCCTTAACATCTGTTAGGCCAGTTAGGTATTACCAAGTT	945	
887			
1256	CCATTTCGCCCCATATCACCTTGAGCCACACTTTGAAGATGGGATTCAGCATGCC	131	
946	TTCTCAAGGGCGATTGAGCTGTTACTGAGAGCTCATTAAGTGTAAAGTAAAG	100	
947			
1316	ATTCTGAAATGCTGATTTCGACTCACAGGGACAATGGCTIGAAACTTCCAATG	137	
1006	CTGTTCACAAAGCGCTTAACTTGTGAAAGGGTACCGAGGCCGCCGCTATGT	106	
1007			
1376	CTGGCCATAAGGGTGTGTCACATGGAAAGGAACCTGAGCTGAGTCCTG	143	
1066	TCCGGAA-----GCTATTCCAATGAGCATTCACCAAGAGTTAAATTAAATA	111	
1067			
1436	AAGTGAATCTTCGATCAGCTGAAAACACTTCCATACCCATTATCCAAATGATA	149	
1114	AACCATGCTTTCTGATGATGAGCAGAACACTAAAGGCCATTGTTATGGTAAAG	117	
1195	GATTTTCATGTTGATTTGGAGAACAGGAACTGGAGTATTCTCTGGAAAG	155	
1174	TTGTCACCCAAACTCAGAAATGCCGGAA	1204	
1175			
1556	TTGTAACCCAAACTCAGAAATGCCGGAA	1586	
	TESTRESULT	11	
	S-09-755-665-13		
	Sequence 13, Application US/09755665		
	Patent No. US2002010786A1		
	GENERAL INFORMATION:		
	APPLICANT: Pravaga Sudhiradas K.		
	MAJUNDER, Kumud		
	APPLICANT:		

Query Match 10 6%; Score 161; DB 10; Length 391;
 Best Local Similarity 64.2%; Pred. No. 1.7e-31;
 Matches 242; Conservative 0; Mismatches 135; Indels 0; Gaps 0;

Db 152 CAGCATCTTCACCCCTGAACCAGCCAACCAGCTGCAACTGACCAAT 211
 Qy 360 GGTTTATTGTCGAGGTAAAATGGTACAATTCTAGAACGTCAGAAA 4.19
 Db 212 GGCTGTCATCATGAGTGCAAGCTAGTGGATACTGGTGTGTCAGAAC 271
 Qy 420 CTATATCCTAGTAGGGCTTTACCGTTAATTGGTATACTTGAGGAAGCTAAAGCAA 479
 Db 272 CTGATCATCTCCAAAGCTTCTCATACACTGGATGCTGAGGGCAAGAGAG 331
 Qy 480 ATTAATGATTATGGTGAAGAACCGACCOAGGTAAAGTCGTTGACCTGTTAAAGATA 539
 Db 332 ATCAACGGTTATGAGAAAGGAAACCATGCAAAATGTGGAGTGGTAAAGGTCTT 391
 Qy 540 GATCGTGATAACCGCTTCGACTAGTAACTATATT 576
 Db 392 GACCCANACACAGTTTGTCTGGTAAATTACATT 428

RESULT 15
 US-09-960-352-14649
 ; Sequence 14649, Application US/09960352
 ; Patent No. US2002137139A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Warren, Wesley C.
 ; APPLICANT: Tao, Nengbing
 ; APPLICANT: Byatt, John C.
 ; APPLICANT: Mathialagan, Nagappan
 ; TITLE OF INVENTION: NUCLEAR ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
 ; FILE REFERENCE: 16511.006/37-21(10298)C
 ; CURRENT APPLICATION NUMBER: US/09/960,352
 ; CURRENT FILING DATE: 2001-09-24
 ; NUMBER OF SEQ ID NOS: 15112
 ; SEQ ID NO: 14649
 ; LENGTH: 444
 ; TYPE: DNA
 ; ORGANISM: Bos taurus
 ; OTHER INFORMATION: Clone ID: 62-LIB34-086-01-E1-H6

Query Match 8.9%; Score 135.8; DB 10; Length 444;
 Best Local Similarity 58.28; Pred. No. 4.2e-25;
 Matches 239; Conservative 0; Mismatches 172; Indels 0; Gaps 0;

Qy 82 ATAAAATTACTCCAAATTAGCGGAATTGCCTTTCTTGTATAGACAAATTAGCCTCATC 141
 Db 34 ACAAGATGCCCCCAACCTGGCAACATTGGCTTCAGCATATACCAACATTGGCCTCATC 93
 Qy 142 AAGTAATTCCTACTAACTATTTTATGCCCTGTTCTATGCCACTGCTTCGCATGT 201
 Db 94 AGTCCAAACCCAGCAATCTCTTCAGCCCCGTGACATGCCTTCAGGCTTGGGATGC 153
 Qy 202 TGAGTTAGGTACTAAAGCGATAACCGATAGGAGATTAGAAGTTAAACTTAART 261
 Db 154 TCTCCCTGGGGCCAAAGGCCAACTCACACTGAGTCCTAGGGCTTCACCC 213
 Qy 262 TGRCCGAAATCCAGAGCCAAATTCAAGGGTTTCAAGAGTTGTGAGAACTTGGA 321
 Db 214 TCATGTGCTCGAGAGCTGAGATCCACAGGGTTTACATCTCCACACCCCTCA 273
 Qy 322 ATCAACCTGATTCCTCAATTGCAATTAACTGGTAACTGTTATTTGTCTGAGGT 381
 Db 274 ACCAGCCAACCCAGCTGGCAACTGACACTGGCAATGCTGTCATCAATGAGATG 333
 Qy 382 TAAATGTTGTTGCAAAATTCCTAGAAAGAGTCAGAAACAACTATCATAGTGAGGTATA 441
 Db 334 CAAGCTAGTGGTACATTTGGAGATGCTACTCCAGCTGAGCTATCACTCCGAAGCTCT 393
 Qy 442 CGGTTAATTTGGTGTGATACTGGAAAGCTAAAGGAAATAATGATTATG 492
 Db 394 CCATCAACTTCAGGGATGCTGGAGGCACAGGATCAACGATTATG 444

Query Match 9.6%; Score 146.4; DB 10; Length 430;
 Best Local Similarity 60.5%; Pred. No. 8.8e-28;
 Matches 240; Conservative 0; Mismatches 157; Indels 0; Gaps 0;

Qy 180 ATTGGCAACTGTTGGCCATTGCTGAGTTAGTTAATCCATGAGGATT 239
 Db 32 ATTGCTTCAGCTTGTGCTAATGCTCCCTGGACAGGCAACACTGAGAT 91
 Qy 240 TAGAAGGTTAAACTTAAACTTAACTGCAAAATTCAGGGTTT 299
 Db 92 CTGAAAGGGCTGGGTTTCACCTCACTGCTCCAGGGCTGAGATCCACAAAGGCTT 151
 Qy 300 CAAGCTGGTGTGAGACTTGTGAACTCACTGATCTCAATTGCAATTACTGGPAAC 359

US-09-960-352-10531
 ; Sequence 10531, Application US/09960352
 ; Patent No. US2002137139A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Warren, Wesley C.
 ; APPLICANT: Tao, Nengbing
 ; APPLICANT: Mathialagan, Nagappan
 ; TITLE OF INVENTION: NUCLEAR ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
 ; FILE REFERENCE: 16511.006/37-21(10298)C
 ; CURRENT APPLICATION NUMBER: US/09/960,352
 ; CURRENT FILING DATE: 2001-09-24
 ; NUMBER OF SEQ ID NOS: 15112
 ; SEQ ID NO: 10531
 ; LENGTH: 430
 ; TYPE: DNA
 ; ORGANISM: Bos taurus
 ; FEATURE: unsure
 ; NAME/KEY: unsure
 ; LOCATION: (398)
 ; OTHER INFORMATION: unsure at all n locations
 ; OTHER INFORMATION: Clone ID: 45-LIB34-014-Q1-E1-D2

US-09-960-352-10531
 ; Sequence 10531, Application US/09960352
 ; Patent No. US2002137139A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Warren, Wesley C.
 ; APPLICANT: Tao, Nengbing
 ; APPLICANT: Mathialagan, Nagappan
 ; TITLE OF INVENTION: NUCLEAR ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
 ; FILE REFERENCE: 16511.006/37-21(10298)C
 ; CURRENT APPLICATION NUMBER: US/09/960,352
 ; CURRENT FILING DATE: 2001-09-24
 ; NUMBER OF SEQ ID NOS: 15112
 ; SEQ ID NO: 10531
 ; LENGTH: 430
 ; TYPE: DNA
 ; ORGANISM: Bos taurus
 ; FEATURE: unsure
 ; NAME/KEY: unsure
 ; LOCATION: (398)
 ; OTHER INFORMATION: unsure at all n locations
 ; OTHER INFORMATION: Clone ID: 45-LIB34-014-Q1-E1-D2

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Search completed: December 6, 2002, 23:36:50
Job time : 60.5 secs

